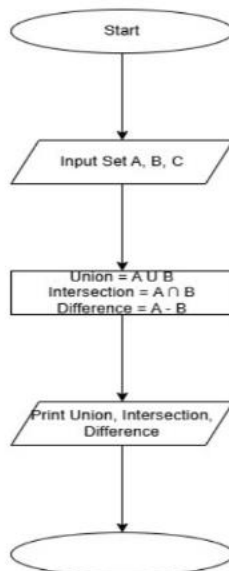


4.1.1- CELSIUS TO FARENHEIT

ALGORITHM:

- **Start.**
- **Get Set A:** Ask the user for numbers, split them by spaces, and store them as a set of integers called set_a.
- **Get Set B:** Ask the user for numbers, split them by spaces, and store them as a set of integers called set_b.
- **Find Union:** Create a new set containing all unique numbers from both set_a and set_b.
- **Find Intersection:** Create a new set containing only the numbers that appear in both set_a and set_b.
- **Find Difference:** Create a new set containing numbers that are in set_a but **not** in set_b.
- **Display Results:** Print the results for Union, Intersection, and Difference clearly.
- **End.**

FLOWCHART:



NIRMAYEE S. KADAM

PRN-25070521134

SEC-C1

CODE:

nirmayee.kadam.batch2025@sitnagpur.siu.edu.inSupportLogout

4.1.1. Set Operations11:34

Write a Python program to perform union, intersection and difference operations on *Set A* and *Set B*.

Input Format:

- First Line prompts "Set A: " followed by space-separated list of integers for *Set A*.
- The second input prompts "Set B: " followed by space-separated list of integers for *Set B*.

Output Format:

- The first line prints "Union: " followed by the union of *Set A* and *Set B*.
- The second line prints "Intersection: " followed by the intersection of *Set A* and *Set B*.
- The third line prints "Difference: " followed by the

setoperat...

```
1 set_a=set(map(int, input("Set A: ").split()))
2 set_b=set(map(int, input("Set B: ").split()))
3
4 union_set = set_a | set_b
5 intersection_set = set_a & set_b
6 difference_set = set_a - set_b
7
8 #Result
9 print("Union:", union_set)
10 print("Intersection:", intersection_set)
11 print("Difference:", difference_set)
12
```

Submit